



City of Mountain View
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Department: Public Works

SFUND RECORDS CTR
2807-01227

SDMS DOC ID 88167599

November 15, 1978

Mr. Ray Phillips, Manager
Chemical Services
Fairchild Semiconductor
401 National Avenue
Mountain View, CA 94040

Dear Mr. Phillips:

Enclosed is the City's bill for assisting Fairchild in cleanup of storm drains and Stevens Creek following the chemical spill traced to the Fairchild plant by the California Regional Water Quality Control Board on May 8, 1978.

Charges for labor are at the rate of \$17.37 per hour. This rate is based on the average cost of salaries in the Waste Water Division plus retirement, insurance, other benefits and overhead. Overtime is charged at 1.5 x the above rate for nonmanagement employees and at straight time for management employees.

Equipment charges are at the rates established for all contract work performed by City forces. The Rough Terrain Crane was brought in from nearby work being performed for the City by Easley and Brassy Corporation to install and later remove our pump from the Stevens Creek stream bed. A copy of the bill for the crane is enclosed for information.

Materials charged include hip boots which had to be disposed of after the work, sewerage charges at the standard rate of 27 cents per 100 cubic feet of waste water discharged to the sewerage system, and water charges at the rate of 35 cents per 100 cubic feet for water used in diluting and flushing the chemicals in the storm drain and at a collection pond near the City's sewage pump station.

Also enclosed is a summary of all pH measurements taken during the cleanup period.

If you have any questions concerning this bill or if further information is needed, please advise.

Sincerely,

Norman H. Lougee

Norman H. Lougee
Water Division Engineer

NHL/x/W/All

Enclosures

FAIRCHILD STORM DRAIN

PH READINGS

May 9, 1978

<u>TIME</u>	<u>PH</u>	<u>LOCATION</u>
0848	6.6	Manhole at corner of National at Fairchild Building #9
0858	6.8	Manhole in front of Fairchild Building #18
0902	7.0	Manhole in front of 625 National Avenue
0905	9.8	Manhole at corner of Fairchild Dr. & National Ave.
0906	11.6	Manhole in front of Fairchild Building #4
0914	11.4	Manhole at corner of Whisman Rd. & Fairchild Dr.
0917	11.4	Manhole in front of 650 Fairchild Drive
0922	11.4	Manhole in front of 190 Fairchild Drive
0925	11.2	Manhole in front of 133 Fairchild Drive
0945	10.6	Manhole in front of 40 Evandale
0955	10.6	Manhole at corner of Evandale & Leong Drive
1010	10.6	Manhole behind the Country Inn
1017	12.6	Manhole behind County Mosquito Abatement Control
1400	6.8	Manhole at the corner of National at Fairchild Bldg.
1430	12.6	Manhole behind County Mosquito Abatement Control
1510	6.4	Manhole in front of 650 Fairchild Drive
1515	6.6	First manhole south from corner of Tyrella & Evandale

May 10, 1978

<u>TIME</u>	<u>pH</u>	<u>LOCATION</u>
1010	9.0	Holding pond at Sewage Pump Station
1100	8.6	Holding pond at Sewage Pump Station
1215	7.8	Manhole at the dead end of Casey Avenue
1240	8.6	Holding pond at Sewage Pump Station
1410	8.2	Manhole at the dead end of Casey Avenue
1425	8.6	Holding pond at Sewage Pump Station
1445	9.6	Manhole at corner of Evandale & Tyrella
1455	9.6	Manhole at corner of Leong Drive & Evandale
1505	12.0	Manhole behind County Mosquito Abatement Control yard
1535	7.0	Manhole in front of 415 Fairchild Drive
1545	7.0	Manhole in front of 625 National Avenue
1550	7.0	Manhole in front of 415 Fairchild Drive
1555	7.2	Manhole in front of 650 Fairchild Drive
1620	11.6	Holding pond at the Sewage Pump Station
1635	8.6	Manhole at the dead end of Casey Avenue
1705	10.4	Manhole at the corner of Fairchild & National
1720	12.0	Manhole behind County Mosquito Abatement Control yard
1745	9.4	Holding pond at the Sewage Pump Station
1810	12.0	Manhole at the corner of Fairchild Dr. & National Ave.
1835	9.6	Manhole at the corner of Leong Drive & Evandale
1855	12.0	Manhole behind the County Mosquito Abatement Control yard
1905	11.4	Holding pond at the Sewage Pump Station
1920	7.8	Manhole at the dead end of Casey

May 11, 1978

<u>TIME</u>	<u>pH</u>	
0830	11.6	Holding pond at the Sewage Pump Station
0845	8.8	Manhole at the dead end of Casey Ave.
0940	11.4	Manhole behind the Mosquite Abatement Center
1005	10.0	Manhole at the corner of Fairchild Dr. & National (west side of dam)
1010	11.8	Manhole at the corner of Fairchild Dr. & National (east side of dam)
1030	9.6	Manhole at corner of Tyrella and Evandale
1045	6.8	Stevens Creek at the end of L'Avenida
1110	11.2	Holding pond at the Sewage Pump Station
1125	7.8	Manhole at the dead end of Casey
1245	9.8	Manhole at corner of Fairchild Dr. & National
1418	6.8	Manhole at the corner of Fairchild Dr. & Ellis St.
1540	11.4	Manhole at the corner of Tyrella & Evandale
1600	8.4	Manhole at the corner of Fairchild Dr. & Whisman Rd.

May 12, 1978

<u>TIME</u>	<u>pH</u>	<u>LOCATION</u>
0805	8.8	Holding pond at the Sewage Pump Station
0815	8.4	Manhole at the end of Casey Ave.
0830	6.8	Stevens Creek at the end of L'Avenida
0845	8.4	Manhole at the corner of Tyrella & Evandale
0900	9.4	Manhole at the corner of Fairchild Dr. & National
1030	6.8	Stevens Creek at the end of L'Avenida
1050	8.4	Holding pond at the Sewage Pump Station
1110	7.6	Manhole at the dead end of Casey
1235	6.6	Stevens Creek at the end of L'Avenida
1250	8.8	Holding pond at the Sewage Pump Station
1300	8.4	Manhole at the dead end of Casey
1325	9.2	Manhole behind the County Mosquito Abatement Center
1430	7.6	Manhole at the corner of Leong Dr. & Evandale
1615	8.8	Storm drain outfall at Stevens Creek

May 13, 1978

<u>TIME</u>	<u>pH</u>	<u>LOCATION</u>
0700	6.6	Stevens Creek at the end of L'Avenida
0715	7.2	Holding pond at the Sewage Pump Station
0730	7.6	Manhole at the end of Casey
0755	8.4	Storm drain outfall at Stevens Creek
0850	6.6	Manhole at the end of L'Avenida
0920	8.2	Storm drain outfall at Stevens Creek
0945	8.2	Holding pond at the Sewage Pump Station
1000	7.4	Manhole at the end of Casey
1010	6.8	Stevens Creek at the end of L'Avenida
1025	8.0	Storm drain outfall at Stevens Creek
1055	6.8	Stevens Creek at the end of L'Avenida
1120	7.6	Holding pond at the Sewage Pump Station
1135	7.8	Manhole at the end of Casey
1210	7.8	Holding pond at the Sewage Pump Station
1220	7.6	Manhole at the end of Casey
1235	6.6	Stevens Creek at the end of L'Avenida
1245	7.6	Crittenden Lane bridge at Stevens Creek
1305	7.4	Manhole at the corner of Tyrella & Evandale
1330	8.0	Storm drain outfall at Stevens Creek
1345	7.2	Stevens Creek at the end of L'Avenida
1405	7.4	Holding pond at the Sewage Pump Station
1420	7.6	Manhole at the dead end of Casey
1450	7.2	Stevens Creek at the end of L'Avenida

MAY 13, 1978

Continued....

<u>TIME</u>	<u>pH</u>	<u>LOCATION</u>
1520	7.6	Storm drain outfall at Stevens Creek
1535	7.4	Holding pond at the Sewage Pump Station
1550	6.8	Manhole at the dead end of Casey
1610	7.4	Stevens Creek at the end of L'Avenida
1635	7.2	Manhole at the dead end of Casey
1700	7.4	Holding pond at the Sewage Pump Station
1725	7.2	Stevens Creek at the end of L'Avenida
1745	7.6	Manhole at the corner of Tyrella & Evandale
1800	7.4	Stevens Creek at the end of L'Avenida

May 15, 1978

0830	7.6	Manhole at the end of Casey
0845	7.4	Holding pond at the Sewage Pump Station
0935	7.6	Manhole at the end of Casey
0955	7.4	Holding pond at the Sewage Pump Station

May 16, 1978

0720	7.6	Manhole at the end of Casey
0740	7.6	Holding pond at the Sewage Pump Station
1335	7.8	Holding pond at the Sewage Pump Station
1350	7.4	Manhole at the end of Casey

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May 17, 1978

<u>TIME</u>	<u>pH</u>	<u>LOCATION</u>
0745	7.6	Holding pond at the Sewage Pump Station
0810	7.4	Manhole at the end of Casey
1630	12.0	Stevens Creek outfall inside sand bag dam
1635	8.0	Stevens Creek outfall outside sandbag dam
1645	11.8	Stevens Creek, 32 feet downstream from outfall
1655	11.7	Stevens Creek 80 feet downstream from outfall
1705	10.4	Stevens Creek - south end of 101 overcrossing (left side)
1715	7.9	Stevens Creek - south end of 101 overcrossing (right side)
1730	7.9	County Mosquito Abatement Center fish pond

May 18, 1978

1210	7.6	Storm drain outfall at Stevens Creek
1220	9.0	Manhole behind County Mosquito Abatement center
1330	8.0	Manhole at the corner of Leong Drive & Evandale
1430	7.4	Storm drain outfall at Stevens Creek

May 22, 1978

<u>TIME</u>	<u>pH</u>	<u>LOCATION</u>
1400	7.4	Manhole at corner of Fairchild Dr. & National Ave.
1405	7.8	Inside storm drain 10 feet east of manhole at Fairchild Drive & National Avenue
1410	8.9	Ditto - 20 feet east
1415	9.0	Ditto - 30 feet east
1420	8.8	Ditto - 40 feet east
1435	11.4	Inside storm drain 10 feet west of manhole at Fairchild Drive & National Avenue
1440	2.5	Ditto - 20 feet west
1445	2.0	Ditto - 30 feet west
1450	2.0	Ditto - 40 feet west
1455	2.0	Ditto - 50 feet west
1500	2.0	Ditto - 60 feet west
1505	2.0	Ditto - 70 feet west
1510	1.8	Ditto - 80 feet west
1515	2.2	Ditto - 90 feet west
1520	6.2	Ditto - 100 feet west
1525	11.8	Ditto - 110 feet west
1530	6.6	Ditto - 120 feet west
1535	2.4	Ditto - 130 feet west
1540	2.4	Ditto - 140 feet west
1545	2.0	Ditto - 150 feet west

MAY 23, 1978

<u>TIME</u>	<u>pH</u>	<u>LOCATION</u>
1400	6.5	Manhole at corner of Leong Dr. & Evandale
1410	6.5	Manhole at corner of Evandale & Tyrella
1420	8.4	Manhole in front of 40 Evandale

MAY 24, 1978

<u>TIME</u>	<u>pH</u>	<u>LOCATION</u>
1330	10.6	Manhole at corner of Fairchild Dr. & National Ave.
1430	10.6	Manhole at corner of Fairchild Dr. & National Ave.
1445	12.6	Fairchild Dr. & National (inside storm drain 100' west)
1500	11.5	Ditto - 200 feet east
1510	11.0	Ditto - 300 feet east

MAY 25, 1978

<u>TIME</u>	<u>pH</u>	<u>LOCATION</u>
0845	7.5	Manhole in front of Fairchild Building #4
0910	7.4	Manhole at corner of Fairchild Dr. & National Ave.
0925	6.6	Manhole in front of 40 Evandale

May 25, 1978 (continued)

<u>TIME</u>	<u>pH</u>	
0940	7.4	Manhole in front of Fairchild Building #4
1010	10.4	Manhole at corner of Fairchild Dr. & National Ave.
1025	9.6	Manhole in front of Fairchild Building #4
1035	6.8	Manhole in front of 40 Evandale
1050	6.9	Manhole behind County Mosquito Abatement Center
1100	6.7	Storm drain outfall at Stevens Creek
1110	10.0	Manhole in front of Fairchild Building #4
1117	10.4	Manhole in front of Fairchild Building #4
1230	7.8	Ditto
1245	10.4	Manhole at corner of Fairchild Dr. & National Ave.
1345	10.6	Manhole in front of Fairchild Building #4
1355	9.6	Manhole at corner of Fairchild Dr. & National Ave.
1410	8.6	Manhole at corner of Fairchild Dr. & Whisman Rd.
1425	6.6	Storm drain outfall at Stevens Creek
1435	7.4	Manhole behind County Mosquito Abatement Center
1445	6.6	Manhole in front of 40 Evandale
1455	8.1	Manhole in front of 133 Fairchild Dr.
1505	10.2	Manhole in front of Fairchild Building #4

MAY 26, 1978

<u>TIME</u>	<u>PH</u>	<u>LOCATION</u>
0710	6.4	Manhole in front of Fairchild Building #4 (Sample was taken before stirring sediment)
0715	7.5	Manhole in front of Fairchild Building #4 (Sample was taken before stirring sediment)
0725	6.4	Manhole at corner of Fairchild Dr. & National (sample was taken before stirring sediment)
0735	10.5	Manhole at the corner of Fairchild Drive & National Ave. (sample taken after stirring sediment)
0840	7.3	Manhole in front of Fairchild Building #4 (sample taken before stirring sediment)
0850	7.8	Manhole in front of Fairchild Building #4 (sample taken after stirring sediment)
1000	11.0	Manhole at corner of Fairchild & National
1030	10.5	Manhole at corner of Fairchild Dr. & National Ave.
1100	8.5	Manhole in front of Fairchild Building #4
1135	10.4	Manhole at corner of Fairchild Dr. & National Ave.
1245	10.2	Manhole at corner of Fairchild Dr. & National Ave.
1300	8.4	Manhole in front of Fairchild Building #4
1330	9.8	Manhole at corner of Fairchild & National Ave.
1420	9.0	Manhole at corner of Fairchild & National Ave.

MAY 30, 1978

<u>TIME</u>	<u>pH</u>	<u>LOCATION</u>
0715	6.4	Manhole at corner of Fairchild & National (before stirring sediment)
0725	8.6	Manhole at corner of Fairchild & National (after stirring sediment)
0900	8.8	Manhole at corner of Fairchild & National (before stirring sediment)
0905	9.3	Manhole at corner of Fairchild & National (after stirring sediment)
0930	7.8	Manhole at corner of Fairchild & National (before stirring sediment)
1010	8.6	Manhole at corner of Fairchild & National (before stirring sediment)
1015	8.6	Manhole at corner of Fairchild & National (after stirring sediment)
1045	7.4	Manhole at corner of Fairchild & National (before stirring sediment)
1050	8.2	Manhole at corner of Fairchild & National (after stirring sediment)

JUNE 1, 1978

1310	6.6	Manhole at corner of Fairchild & National (before stirring sediment)
1320	8.2	Manhole at corner of Fairchild & National (After stirring sediment)

June 1, 1978 (continued)

<u>TIME</u>	<u>pH</u>	<u>LOCATION</u>
1345	8.2	Manhole at corner of Fairchild & National (before stirring sediment)
1355	8.6	Manhole at corner of Fairchild & National (after stirring sediment)
1415	8.4	Manhole at corner of Fairchild & National (after stirring sediment)

JUNE 2, 1978

<u>TIME</u>	<u>pH</u>	<u>LOCATION</u>
0735	8.2	Manhole in front of Fairchild Building #4 (before stirring sediment)
0745	8.6	Manhole in front of Fairchild Building #4 (after stirring equipment)
1240	8.4	Manhole in front of Fairchild Building #4
1330	8.4	Manhole at corner of Fairchild & National
1400	8.6	Manhole at corner of Fairchild & National
1435	8.2	Manhole at corner Of Fairchild & National

JUNE 7, 1978

0710	8.4	Manhole in front of Fairchild Building #4
0720	6.6	Manhole at corner of Fairchild & National

JUNE 8, 1978

<u>TIME</u>	<u>pH</u>	<u>LOCATION</u>
0710	7.4	Manhole in front of Fairchild Building #4
0718	6.5	Manhole at corner of Fairchild & National
1020	6.4	Manhole in front of Fairchild Building #4
1028	6.3	Manhole at corner of Fairchild & National